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(54) Title: PROCESS FOR THE PREPARATION OF NANO- AND MICRO-PARTICLES OF GROUP II AND TRANSITION METALS OXIDES AND HYDROXIDES, THE NANO- AND MICRO-PARTICLES THUS OBTAINED AND THEIR USE IN THE CERAMIC, TEXTILE AND PAPER INDUSTRIES

(57) Abstract: A process for the preparation of particles of group II and transition metals oxides and hydroxides is described, which provides a homogeneous phase synthesis step by a double exchange reaction and, in the case of oxides, the subsequent calcination of the corresponding hydroxides; the particles thus obtained and their use for surface coatings of ceramic, textile and paper materials are also described.

WO 03/082742 A3

# INTERNATIONAL SEARCH REPORT

Int lional Application No  
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01G9/02 C01G23/02 C01G25/02 C01G1/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 395 912 A (LONZA AG) 7 November 1990 (1990-11-07) page 3, line 25 -page 4, line 16; example 1	1-7,9-13
A	US 6 162 530 A (CHEN HUITMIN ET AL) 19 December 2000 (2000-12-19) column 7, line 35 - line 50 column 8, line 59 - line 66	1,6
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X	claim 1; example 1	12,13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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International Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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